



ecology and environment, inc.

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International Specialists in the Environmental Sciences

IL-103-06
SA
"Dead"
Creek
Gib
F. 100

154274

DATE: January 4, 1983
TO: File/USEPA Region V
FROM: Paul D. Shea
SUBJECT: Preliminary Assessment
Illinois/TDD#R5-8212-01A -103
Sauget/Cahokia/Dead Creek
ILD980792006

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. IEPA files and report(4/81)
2. HRS Documentation Records
3. EPA form 2070-13 (7/81)

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. Moto Gas Incorporated, Cahokia, IL.
2. Cerro Corporation, Cahokia, IL.
3. Mr. Harold Waggoner (Former Operator)

Presently, data gaps or no verification exists in the following key area(s):

1. Waste Quantity
- 2.
- 3.

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste Quantity
2. Groundwater/Surface Water
3. Air Emissions
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Continued Monitoring
2. Offsite Inspection - Local Interviews
- 3.

Notice of an apparent need for emergency action was transmitted to _____ on _____
by _____
N/A N/A



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980792006

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) CAHOKIA / DEAD CREEK		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER E. WALNUT ST. LOCATED BETWEEN JUDITH LANE + QUEENY AVE			
03 CITY SAUGET	04 STATE IL	05 ZIP CODE 62201	06 COUNTY ST. CLAIR	07 COUNTY CODE 163	08 CONG DIST 23
09 COORDINATES LATITUDE 38°35'23.5"		LONGITUDE 90°10'18.7"		TOPOMAP: CAHOKIA	
10 DIRECTIONS TO SITE (Starting from nearest public road) I-55 SOUTH TO ③ SOUTH, FOLLOW ③ TO ⑤ (MISSISSIPPI AVE) AND GO SOUTH ON ⑤ ABOUT 1.25 MILES AND SITE WILL BE ON LEFT SIDE BETWEEN JUDITH LANE AND QUEENY AVENUE.					

III. RESPONSIBLE PARTIES

01 OWNER (If known) RUAN TRANSPORT CO.		02 STREET (Business, mailing, residential) P.O. BOX 855			
03 CITY DES MOINES	04 STATE IA	05 ZIP CODE 50304	06 TELEPHONE NUMBER ()		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103 ci) DATE RECEIVED: ____/____/____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE					
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IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 3/6/80 <input type="checkbox"/> NO 4/81 3/23/82		BY (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ CONTRACTOR NAME(S): ECOLOGY + ENVIRONMENT, INC. (Specify)			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1937 PRESENT <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED SLUDGE (TOXIC, PERSISTENT) OILY WASTE (TOXIC, PERSISTENT, SOLUBLE, FLAMMABLE) SOLVENTS (IGNITABLE, FLAMMABLE) METALS (TOXIC, PERSISTENT)	
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION PERCULATION INTO GROUNDWATER (ENV. + POPULATION) FIRE OR EXPLOSION (POPULATION/) SURFACE WATER CONTAMINATION (ENV. + POPULATION) (EVAC.) VAPOR-AIR EMISSIONS (ENV + POPULATION/EVAC.)	

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents; <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT MR. KEN MENSING		02 OF (Agency/Organization) IEPA (SOUTHERN REGION)		03 TELEPHONE NUMBER 1618 345-0700	
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE 4606 MONTH DAY YEAR	



☒ I HIGHLY VOLATILE
☐ J EXPLOSIVE
☒ K REACTIVE
☒ L INCOMPATIBLE
☐ M NOT APPLICABLE

IEPA REPORT BY RON ST. JOHN - "A PRELIM. HYDROGEOLOGIC INVESTIGATION IN THE NORTHERN PORTION OF DEAD CREEK AND VICINITY" 4/81



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D980792006

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE 4/81) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <100 people 04 NARRATIVE DESCRIPTION

IEPA REPORT OF 4/81 BY RON ST. JOHN (PREVIOUSLY CITED) GROUNDWATER
MOSTLY USED IN AREA BY INDUSTRY - NOT FOR DRINKING.
CONTAMINANTS FOUND IN MONITORING WELLS.

01 ☒ B SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE 4/81) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: - 6000 04 NARRATIVE DESCRIPTION

6000 PEOPLE WITHIN A 1 MILE RAD. OF SITE.
IEPA REPORT OF 4/81 CITES SURFACE WATER CONTAMINATION.

01 ☒ C CONTAMINATION OF AIR 02 ☒ OBSERVED (DATE 3/23/82) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: - 6000 04 NARRATIVE DESCRIPTION

FIT (E+E) AIR SURVEY OF SITE WITH 2 HNU PHOTOIONIZERS (10.2 + 11.7 LAMPS)
AND 1 OVA AND DRAEGER PUMP FOR PHOSGINE. THE SITE SHOWED AREAS
THAT WERE SIGNIFICANTLY ABOVE BACKGROUND

01 ☒ D FIRE/EXPLOSIVE CONDITIONS 02 ☒ OBSERVED (DATE 6000) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 6000 04 NARRATIVE DESCRIPTION

IEPA PHOTOS SHOW AN AREA OF DEAD CREEK ON FIRE FROM
PHOSPHORUS.

01 ☒ E DIRECT CONTACT 02 ☐ OBSERVED (DATE 6000) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 6000 04 NARRATIVE DESCRIPTION

IEPA HAS A SNOWFENCE UP SINCE 1981 TO TRY AND REDUCE CONTACT;
HOWEVER, CHILDREN STILL HAVE ACCESS INTO CREEK AND PLAY ON
BICYCLES AND MOTORBIKES.

01 ☒ F CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE 4/81) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: (Acres) 04 NARRATIVE DESCRIPTION

IEPA REPORT PREVIOUSLY CITED.
AREA CONTAMINATED BY DUMPING OF CHEMICALS IN LANDFILL.

01 ☒ G DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE <100) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <100 04 NARRATIVE DESCRIPTION

POTENTIAL PROBLEM TO ANYONE USING G.W. FOR
DRINKING PURPOSES. PRESENT USE IS FOR INDUSTRY

01 ☐ H WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE 6000) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 6000 04 NARRATIVE DESCRIPTION

01 ☒ I POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE 6000) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 6000 04 NARRATIVE DESCRIPTION

EXPOSURE/INJURY POTENTIAL DUE TO DIRECT CONTACT WITH
CONTAM. WATER - AIR - SOIL ON OR NEAR SITE.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

D1 STATE D2 SITE NUMBER

IL D980792006

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 3/23/82) ☒ POTENTIAL ☐ ALLEGED

FIT INSPECTION OF SITE SHOWED VEGETATION IN CREEK BED UNDER STRESS.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☒ OBSERVED (DATE: 8/80) ☒ POTENTIAL ☐ ALLEGED

RESIDENTS DOG ROLLED IN DITCH (CREEK BED) AND DIED OF APPARENT CHEMICAL BURNS.

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 11/21/80) ☒ POTENTIAL ☐ ALLEGED

(BIOACCUMULATES IN ENV)
IEPA TOOK SAMPLES OF BEANS + LEAVES IN THE AREA AND RAN A PCB SCAN ON THEM. PCB'S WERE FOUND IN BOTH (.06-.13ppm)

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: 6000

02 ☒ OBSERVED (DATE: 3/6/80) ☒ POTENTIAL ☒ ALLEGED
4/81

04 NARRATIVE DESCRIPTION

STATEMENTS TAKEN + PHOTOS TELL OF INSTANCES OF INDESCRIMINATE DUMPING IN POORLY CONDITIONED DRUMS + CONTAINERS.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/81) ☒ POTENTIAL ☐ ALLEGED

CONTAMINANTS WERE FOUND OFF SITE.
IEPA MONITORING

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/81) ☐ POTENTIAL ☐ ALLEGED

IEPA REPORT OF 4/81. A MR. WAGGONER HAD A HAULING FIRM LOCATED AT CREEKS EDGE AND WOULD RINSE HIS TRUCKS OUT THERE - SOME CONTAINED CHEMICAL RESIDUALS.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 6000 WITHIN 1 MILE

IV. COMMENTS 10,000 WITHIN 3 MILES

MANY PEOPLE IN AREA KNOW ABOUT OLD LANDFILLS THAT WERE LOCATED IN THE AREA BUT WERE AFRAID TO GIVE EXACT INFO. OR LOCATIONS, TYPES OF CHEMICALS, AND OTHER WASTES DEPOSITED.

V. SOURCES OF INFORMATION (Cite specific references, e. g., State files, sample analysis, reports)

IEPA FILES ON SITE
EPA FORM 2070-13 (7-81) EJE FILES
HRS DOCUMENTATION RECORDS